

**Project Design Phase-I**  
**Proposed Solution Template**

Date	11 OCTOBER 2022
Team ID	PNT2022TMID17788
Project Name	Smart lender - Applicant credibility prediction for loan approval
Maximum Marks	2 Marks

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To predict the applicant is eligibility for the loan approval. The prediction of credit defaulters is one of the difficult tasks for any bank. But by forecasting the loan defaulters, the banks definitely may reduce their loss by reducing their non-profit assets, so that recovery of approved loans can take place without any loss and it can play as the contributing parameter of the bank statement.
2.	Idea / Solution description	People's Need Increased, so demand for loans in banks also increased. Loan approval is a time consumption process, in order to reduce the time consumption we are going to create a chatbot with audio facility. The loan approval can be predicted using any of the following machine learning algorithms like Linear Regression, Decision Tree, Random Forest. Since the prediction is based on a machine learning algorithm, the loan approval process can be accurate.
3.	Novelty / Uniqueness	Chatbox options will be available, so that the applicant can clarify their queries. Our system will be responding in a faster manner to customer queries.
4.	Social Impact / Customer Satisfaction	Loan approval prediction is a time consuming process the applicant needs to wait for a long time in queue in most of the banks, so with the help of the chatbot option it is easy to identify whether the applicant is eligible or not.
5.	Business Model (Revenue Model)	If the loan approval process time consumption is less, more loan prediction can be easily done, it will help for the bank to raise their business growth.
6.	Scalability of the Solution	Every business sector and normal people are able to use this system.